10/501120 DT1 C'd PCT/PTO 0 8 JUL 2004 ATTORNEY DOCKET No.: 2003946-0148 (PITA-S)

Examiner: NYA.

Group Art Unit: NYA

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Agoulnik et al.

Serial No:

NYA

Filing Date:

July 8, 2004

Corresp. to: PCT/US03/00390 Int. Filing Date: January 8, 2003 Earliest Priority: January 8, 2002

Title:

EPONEMYCIN AND EPOXOMICIN ANALOGS AND USES THEREOF

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Signature

Kathy Hart Gagnon

Typed or Printed Name of person signing certificate

Sir:

#### **STATEMENT**

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicant requests consideration of this Information Disclosure Statement.

## Type of Statement

The present Information Disclosure Statement is:

- [X] An original Information Disclosure Statement; or
- A supplemental Information Disclosure Statement.

Express Mail No.: EV 314105049 US 3721155\_1.DOC

Attorney Docket No.: 2003946-0148
Client Reference: PITA/US

Customer No.: 24280

The present Information Disclosure Statement is being filed:

[ <b>X</b> ]	Pursuant to 37 CFR § 1.97(b); no fee or certification is required:					
	[X]	Within three months of the filing date of a national application other than				
		a cont	inued prosecution application under § 1.53(d);			
	[]	Within three months of the date of entry of the national stage as set forth				
		in § 1.491 in an international application;				
	[]	Before the mailing of a first Office action on the merits; or				
	[]	Before	e the mailing of a first Office action after the filing of a request for			
		contin	ued examination under § 1.114.			
[]	Pursuant to 37 CFR § 1.97(c) after the dates listed above but before the mailing					
	date of any of a final action under § 1.113, a notice of allowance under § 1.311, or					
-	an action that otherwise closes prosecution in the application; Applicant hereby					
	either:					
	[]	Certifies that either:				
		[]	each item of information contained in the information disclosure			
			statement was first cited in any communication from a foreign			
			patent office in a counterpart foreign application not more than			
			three months prior to the filing of the information disclosure			
			statement; or			
		[]	That no item of information contained in the information			
			disclosure statement was cited in a communication from a foreign			
			patent office in a counterpart foreign application, and, to the			

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knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.; or

	[ ] Includes herewith the fee set forth in § 1.17(p).
[]	Pursuant to 37 CFR § 1.97(d), after the mailing date of any of a final action under
	§ 1.113, a notice of allowance under § 1.311, or an action that otherwise closes
	prosecution in the application; Applicant hereby both:

# [ ] Certifies that either:

[]

- each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
- [ ] That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.; and

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### Content of the Information Disclosure Statement

Applicant hereby makes of record in the above-identified application the reference(s) listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

Applicant includes copies of references as indicated below:

- [X] A copy of each cited reference not indicated with a † is included;
- Copies of references indicated with an asterisk on the attached form PTO-1449 are not included pursuant to 37 CFR § 1.98(d) because they were previously provided to the United States Patent Office in an Information Disclosure Statement that complies with 37 CFR § 1.98(a)-(c) and was submitted in the following patent application that is relied upon in the present case for an earlier effective filing date under 35 USC § 120:

Serial Number	Filing Date	Status

[ ] Copies of English translations of one or more non-English references are included.

Applicant hereby makes the following additional information of record in the aboveidentified application:

Applicant certifies that the Information Disclosure Statement either:

- [ ] Does not contain non-English language citations;
- [ X ] Does contain non-English language citations, of which an English language translation of the Abstract for each is provided herein:

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Includes one or more translations of a non-English citation. [ ]

Remarks

The submission of this Information Disclosure Statement should not be construed as a

representation that a search has been made.

The submission of this Information Disclosure Statement shall not be construed to be an

admission that the information cited in the statement is, or is considered to be, material to

patentability as defined in § 1.56(b).

The submission of this Information Disclosure Statement shall not be construed as a

representation that the information cited in the Statement is, or is considered to be, in fact, prior

art as defined by 35 U.S.C. §102.

It is respectfully requested that:

The Examiner consider completely the cited information, along with any other 1.

information, in reaching a determination concerning the patentability of the present claims;

The enclosed form PTO-1449 be signed by the Examiner to evidence that the 2.

cited patent(s) and publication(s) has (have) been fully considered by the Patent and Trademark

Office during the examination of this application; and

3. The citations for the patent(s) and publication(s) be printed on any patent which

issues from this application.

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DT Rec'd PCT/PTO 08 JUL 2004

Notwithstanding any statements by Applicants, the Examiner is urged to form his or her

own conclusions regarding the relevance of the cited reference(s).

Respectfylly submitted,

Nadège M. Lagneau, Ph.D.

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Dated: July 7, 2004

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Customer No.: 24280

Form PTO-144 (REV. 8-03)	.≛.	hent of Commerce d Trademark Office	Attorney Dock  2003946-0148  (PITA/US)  In re Application No.  Not Yet Assigned  10/50112		Assigned			
	INFORMATIO	) <b>N</b>	Applicant: Agoulnik et al					
	<b>DISCLOSURE STAT</b> (Use several sheets if n		Filing Date: January 8, 2004	Group: NYA				
U.S. PATENT	DOCUMENTS							
Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass			
	† 4,990,448	Konishi, et al.	February 5, 1991	435	106			
	† 5,071,957	Konishi, et al	December 10, 1991	530	330			
U.S. PATENT	APPLICATIONS							
Examiner's Initials:	Serial Number:	Applicant:	Filing Date:	Group:	Art Unit:			
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FOREIGN PAT	FENT DOCUMENTS							
Examiner's Initials	Document No.	Country	International Publication Date	Translation				
				Yes	No			
	EP 0 332 080 B1	EP	September 13, 1989					
	EP 0 411 660 A1	EP	February 6, 1991					
	JP 3-197492	JP	August 28, 1991		X			
	JP 5-286955	JP	November 2, 1993		X			
	WO 95/24914	PCT	September 21, 1995					
	WO 96/13266	PCT	May 9, 1996					
	WO 02/096933	PCT	December 5, 2002					
	WO 03/033506 A1	PCT	April 24, 2003		X			
OTHER DOCU	JMENTS				•			
Examiner's Initials	xaminer's Citation (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Copy of International Search Report for PCT/US03/00390 A2.							
	Adams, et al., "Proteasome Inhibitors: A Novel Class of Potent and Effective Antitumor Agents", Cancer Research; 59: 2615-2622, 1999.							
	Elofsson, et a., "Towards subunit-specific proteasome inhibitors: synthesis and evaluation of peptide $\alpha',\beta'$ -epoxyketones, <i>Chemistry &amp; Biology</i> , <b>6</b> (11): 811-822, 1999.							
Gardner, et al., "Characterization of peptidyl boronic acid inhibitors of mammalian 20 S proteasomes and their inhibition of proteasomes in cultured cells", <i>Biochem J.</i> , <b>346</b> : 447-4								
	Harding, et al., "Novel Dipeptide Aldehydes Are Proteasome Inhibitors and Block the MHC-I Antigen-Processing Pathway <sup>1</sup> ", <i>The Journal of Immunology</i> , <b>155</b> (4):1767-75, 1995.							

† Copies of references not included – requirement waived pursuant to USPTO OG Notice of 8/5/03

Express Mail No.: EV 314105049 US 3721007\_1.DOC

Attorney Docket No. 2003946-0148 Client Reference No.: PITA/US

		<u> </u>	10 U 8 JUL 2004		
Form PTO-1449 (REV. 8-03)	U.S. Dement of Commerce Patent and Trademark Office	Attorney Docker 2003946-0148 (PITA/US)	In re Application No. Not Yet Assigned 90/501120		
	INFORMATION	Applicant: Agoulnik et al			
į	ISCLOSURE STATEMENT	Filing Date:	Group:		
(Use several sheets if necessary)		January 8, 2004	NYA		
Iqbal, et al., "Potent α-Ketocarboyl and Boronic Ester Derived Ihibitors of Proteasome", <i>Bioorgan &amp; Medicinal Chemistry Letters</i> , <b>6</b> (3): 287-90, 1996.					
N	Momose, et al., "Tyropeptins A and B, New Proteasome Inhibitors Produced by <i>Kitasatospora</i> sp. MK993-dF2. I. Taxonomy, Isolation, Physico-chemical Properties and Biological Activities", <i>Journal of Antibiotics</i> , <b>54</b> (12): 997-1003, 2001.				
	Sin, et al., "Total Synthesis of the Potent Proteas Understanding Proteasome Biology", <i>Bioorganie</i> 1999.	c & Medicinal Chemistry Le	etters, 9(15:, 2283-2288,		
a	Sun, et al., "CEP1612, a Dipeptidyl Proteasome and Apoptosis and Inhibits the Growth of the Hucancer Research 61(4): 1280-1284, 2001	Inhibitor, Induces p21 WAF1 man Lung Adenocarcinoma	and p27 <sup>KIPI</sup> Expression a A-549 in Nude Mice <sup>1</sup> ",		

EXAMINER DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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